

A Framework for Integrated Public Health

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IPH Public Health Conference:

A Framework for Integrated Public Health

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Aims & Objectives

- To introduce a conceptual framework - model
- To demonstrate the framework's potential:
 - By explaining its structure and content
 - Linking the model to the conference themes
 - Other examples
- Indicate possible research directions
- Provide time for Q&A

Where is public health? At the centre AND the periphery?

Duncan Selbie. Forty wasted years?

Selbie: NHS has not 'done much good'

HSJ: 19 September, 2012 | By Dave West, Nick Golding

The new chief executive of Public Health England has said the NHS's effort to improve health and reduce illness over the past four decades "hasn't worked and has not been sufficient". HSJ. Interview.

Four decades – how to put public health at the center...

We need resources that can help put the nation's '**health**' back into what has always been a NATIONAL **ILL**-HEALTH SERVICE.

Or highlight the need for a new approach – the 'break'. Will local authorities deliver?



Tools that can accommodate: illness -> recovery -> self-care -> well-being

Image source: <http://www.the-latest.com/nhs-faces-time-vital-decision-making>

What is Hodges' model (i)?

Hodges' model was created Brian E. Hodges (Ret.) Senior Lecturer to meet four educational and practice objectives:

- 1) To provide a **curriculum** development tool.
- 2) Help ensure **holistic** assessment and evaluation.
- 3) To support **reflective** practice.
- 4) To reduce the **theory-practice gap**.

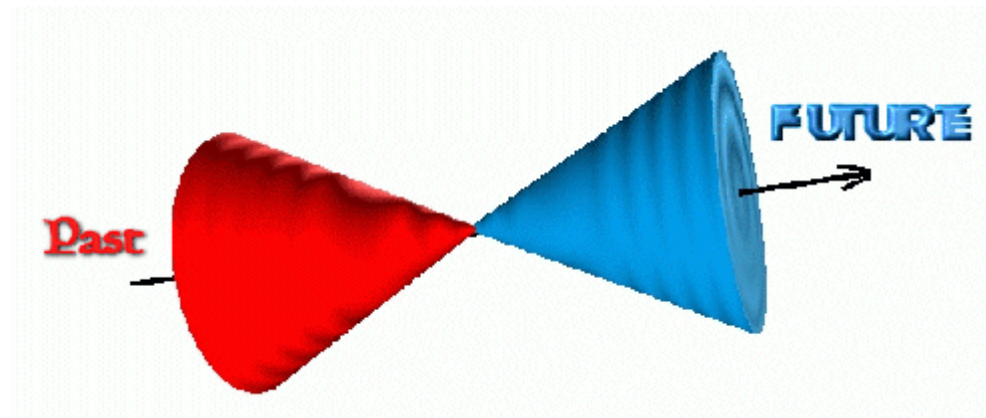
21st century brings new purposes and applications.

What is Hodges' model (ii)?

Hodges' model has these potential applications (and more) by virtue of its structure and content.

The conceptual framework thus created is quite powerful in public health when associated with:

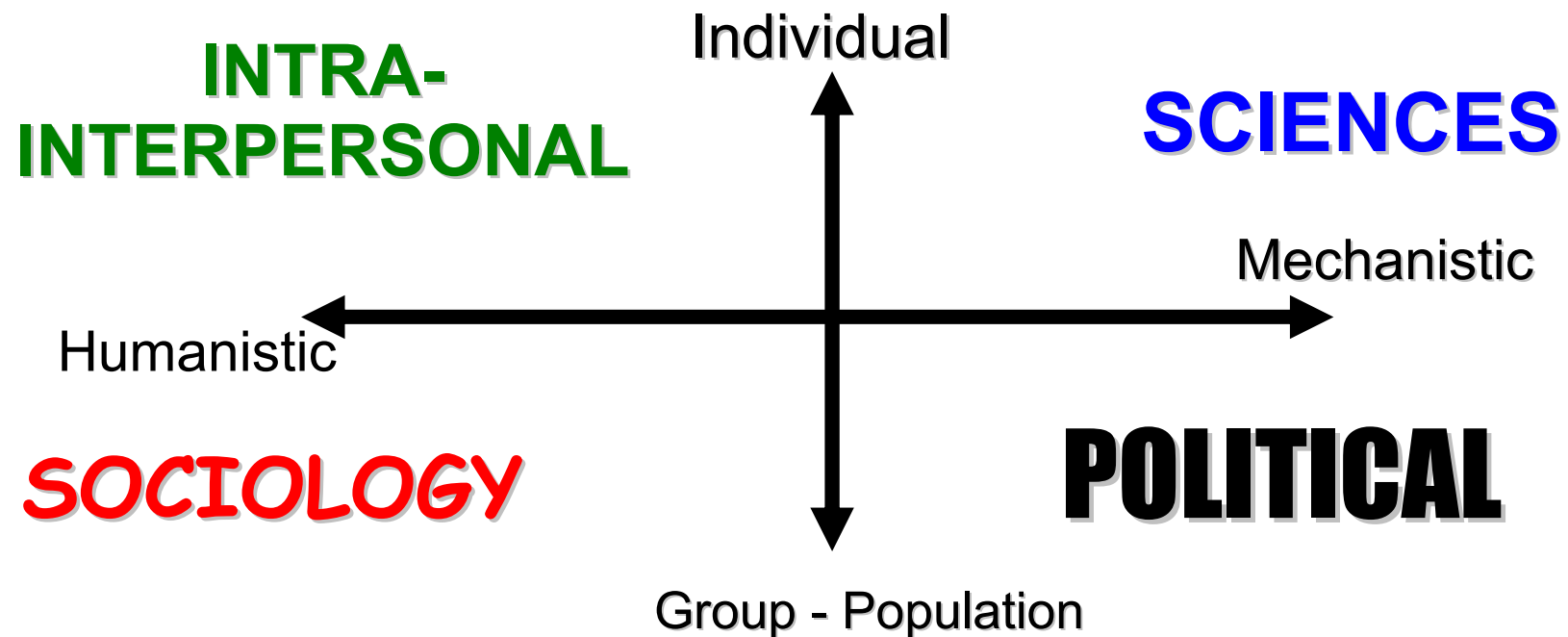
- health career
- and life chances.



Structure creating space – content (iii)

The model's structure is constructed from the combination of two axes.

The model's care, or knowledge domains can be identified and related to the axes:



The **SPIRITUAL** domain comprises all four

History and Exposure

Developed mid-1980s Manchester Poly – M. Met. Univ.

Website 1998...

archive – Brian Hodges' notes

Blog 2006 – ongoing

- bibliography
- reflections, news, conferences, presentations

New site – Drupal (content management system)

Applications:

- Community Mental Health Care
- Forensic Nursing – ‘Care Philosophy’
- Residential Care - Nursing Home Liaison
- Student nurses
- Reflective practice
- Case formulation
- Health, Community and Urban informatics

Weaknesses...

Simplistic appearance (readily dismissed)

'Child' of nursing theory's golden years

Lack of evidence

Assumptions

No underpinning theory

Papers

No communities of practice

critique – further development

Strengths...

Multidisciplinary and Multicontextual

Geographically inclusive: Local, Global & 'Glocal'

Audiences: Patient, Carer, Citizen, Student

Flexible: Long Term Med. Conditions; Prevention;
Recovery; Assets.

Culture - gender, ethnicity, beliefs

Media – HEALTH LITERACY – Self efficacy

Politics ack. Agencies (Public, Private, 3rd Sector -
Voluntary)

Multiple hooks (ways to explain)

Stress – Vulnerability model

Information processing models

Conceptual anchors ...

one example 4Ps

PURPOSES

PROCESSES

PRACTICES

POLICIES

IPH Conference themes...

mapped to Hodges' model

3. Giving every child the best start in life

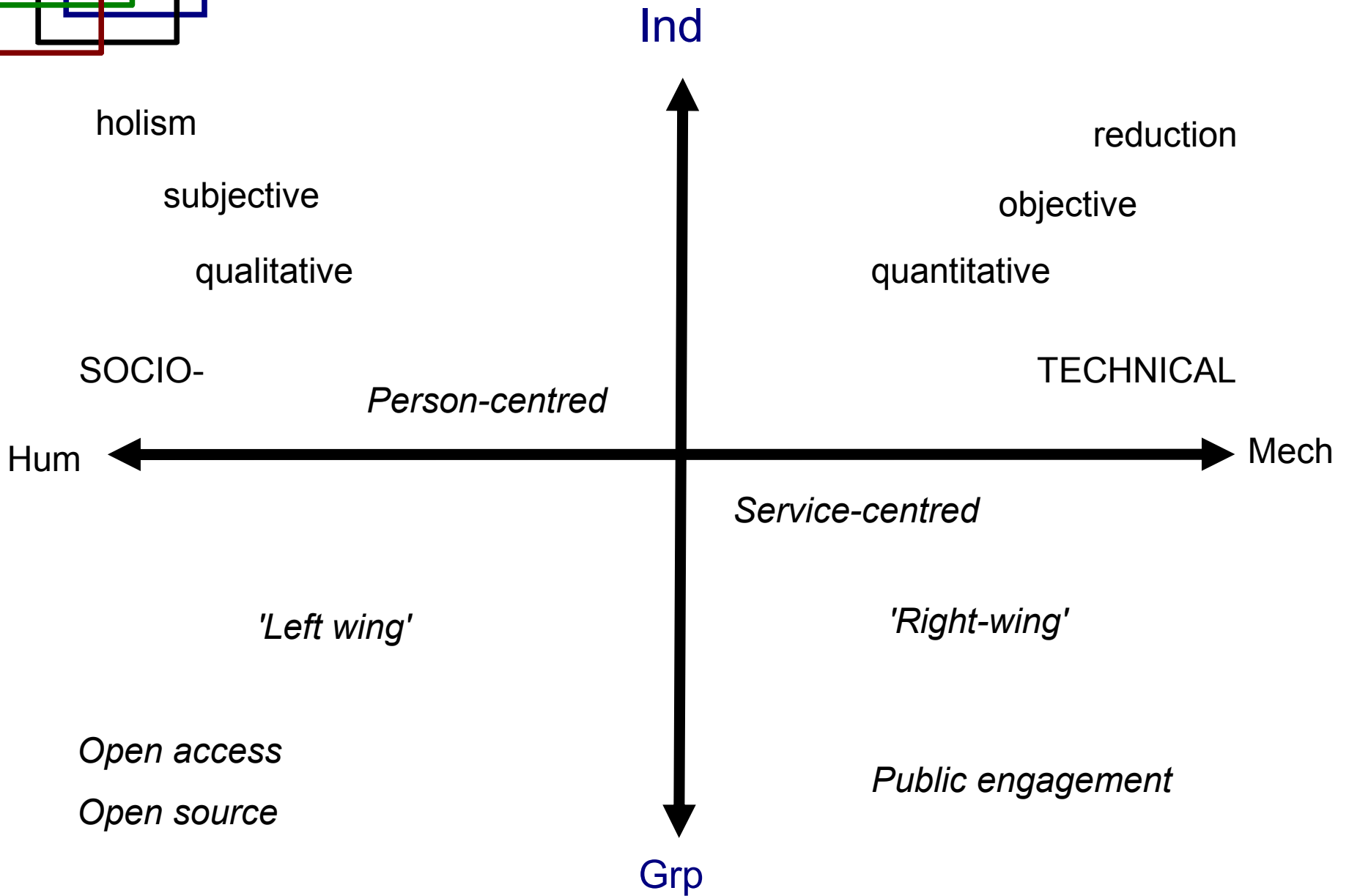
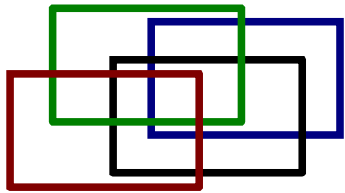
4. Mental health and wellbeing

1. Cross sectoral work on the social determinants of health

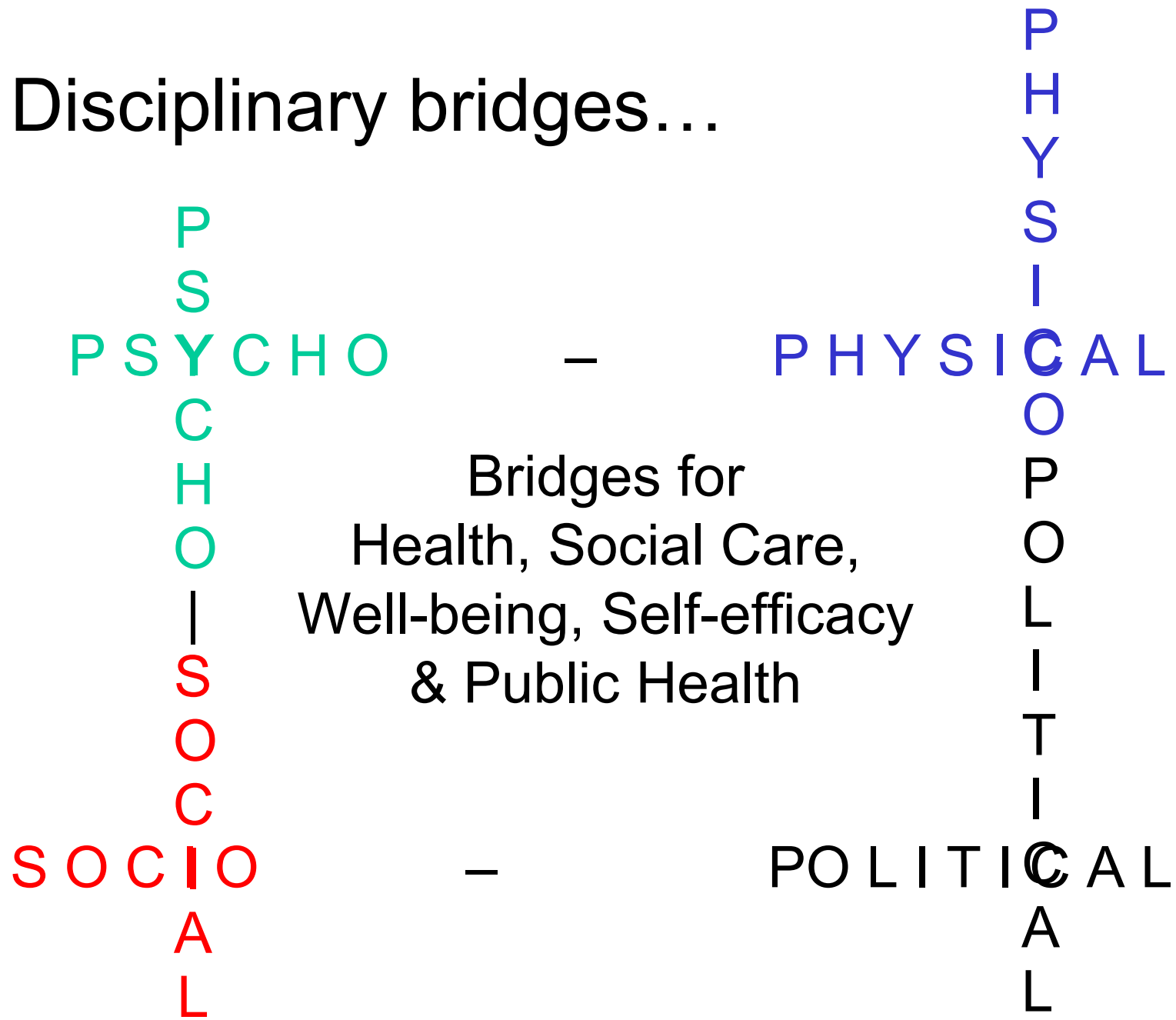
5. Developing healthy and sustainable communities

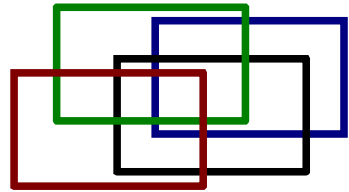
2. Strengthening prevention and promoting good health

6. Health intelligence: supporting evidence based policy and practice

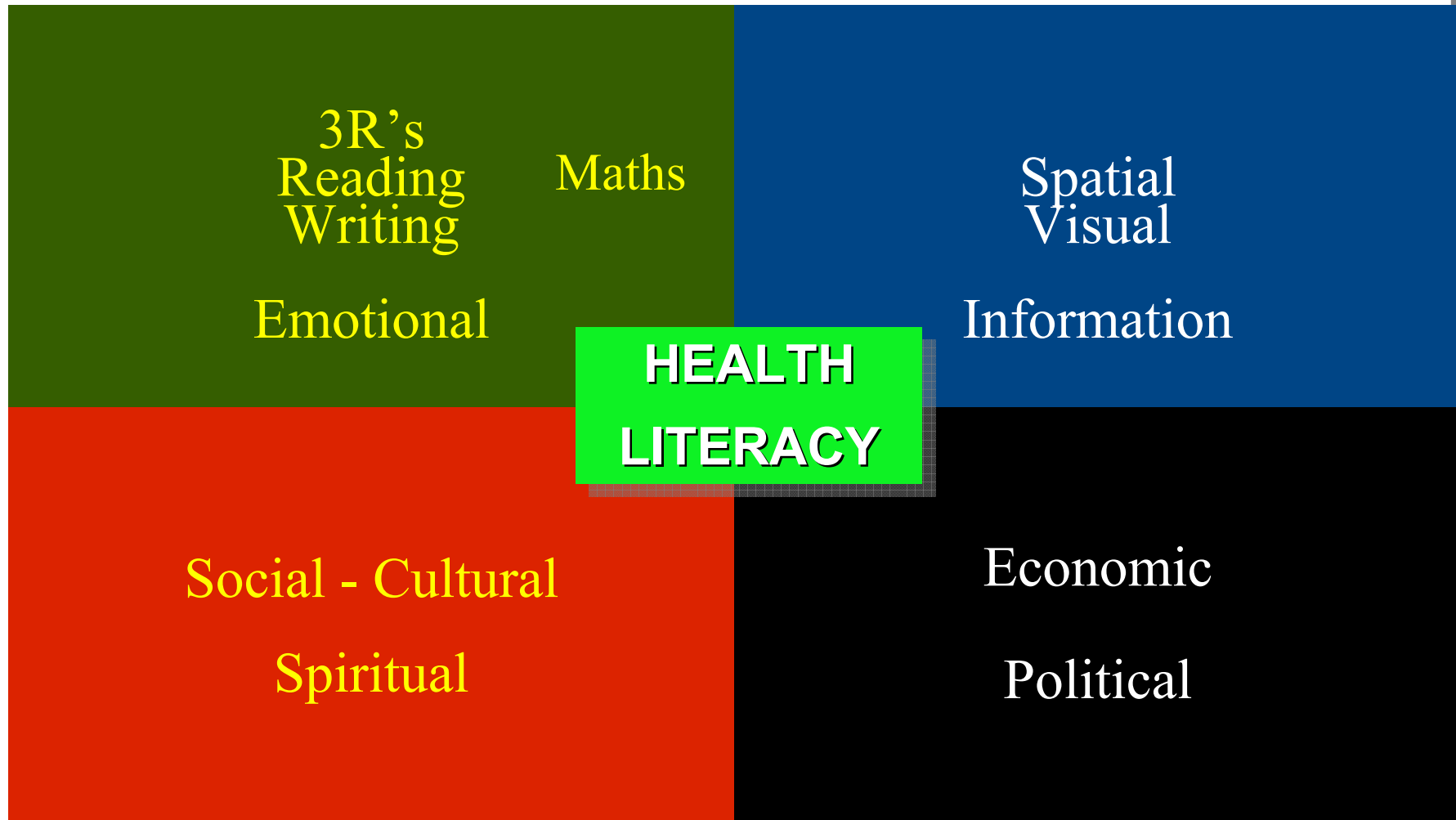


Disciplinary bridges...





Locating key literacies in Hodges' model



Future directions...

Meyer and Land's **THRESHOLD CONCEPT** characterized as -

- **Transformative** - once acquired it shifts perception of the subject
- **Irreversible** - once learners have come to see the world in terms of the threshold concept they can not return to their former, more primitive, view
- **Integrative** - acquisition of the threshold concept illuminates the underlying inter-relatedness of aspects of the subject
- **Bounded** - the threshold concept helps to demarcate subject boundaries
- **Troublesome** - a threshold concept may be far from 'common sense' understandings of the world and thus initially very difficult for learners to accept. In grasping a threshold concept the learner moves to a new perception of the world that may be in conflict with perceptions that previously seemed self-evidently true.

Erik Meyer and Ray Land (2003) Occasional Paper 4: Threshold Concepts and Troublesome Knowledge, ETL Project and ESRC.

<http://www.ed.ac.uk/etl/docs/ETLreport4.pdf>

Gärdenfors' conceptual spaces

**Peter Gärdenfors - professor of cognitive science,
University of Lund, Sweden.**

In his book *Conceptual Spaces: The Geometry of Thought* Gärdenfors proposed 'conceptual spaces' as an additional representational tool.

Gärdenfors, P. (2000). *Conceptual Spaces: The Geometry of Thought*. MIT Press/Bradford Books. ISBN 978-0-585-22837-2

Definitions:

Concepts, Properties, Domains

Concepts are represented as sets of convex regions spanning one or more domains.

A **property** is a special case of a concept in one domain. For example, the property red is represented as a convex region in the color domain.

Questions:

Role of context? Situated? Overlap with care domains – quality dimensions within public health?

CSML - *Conceptual Spaces Markup Language* (Adams & Raubal, 2009).

Could use of CSML (when mature) provide a test for Hodges' model as a conceptual space?

Hodges' model as a tool for abstraction vs orientation? Risjord (2011)

The need for new definitions *if* Hodges' model is a conceptual space:

Review / qualify 'domain' within Hodges' model ...

What are the 'quality dimensions' in health, social care and public (mental) health?

- (nursing) observations
- homeostasis
- mobility
- mental capacity
- dignity and respect !

Distinction between a phenomenal (or psychological) and a scientific interpretation.

(Gärdenfors, 2004)

Future development plans...

- Possible formal study commencing June 2013 – part time PhD.
 - Formulating *the* question
 - New meanings for holistic, reflection?
 - Personalised care (before – after)
 - Hodges' model as software?
- New website
 - Drupal, the content management system
 - Create a community (self-sustaining!)
- Change of role?

Self – Group & Population

(The care axis that speaks *volumes*)

Despite emphasis on Hodges' model as a potential conceptual space, it is important that researching the model is practical as well as theoretical (informatics based).

Also seeking to ensure that the model's potential in engaging members of the public as a generic local, global and glocal health tool is realised.



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Gärdenfors, P. (2000). Conceptual Spaces: The Geometry of Thought. MIT Press/Bradford Books.

Adams, B., Raubal, M. (2009). Conceptual Space Markup Language (CSML): Towards the Cognitive Semantic Web. ICSC '09 Proceedings of the 2009 IEEE International Conference on Semantic Computing IEEE Computer Society Washington, DC, USA.

Blog: ***Welcome to the QUAD*** (for bibliography) -

<http://hodges-model.blogspot.com/>

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